Experiments performed at the GSI accelerators in 2012

Compiled by Burkhard Kolb, beam time coordinator 2012

In all tables 1 shift represents 8 hours of beam delivered to an experiment including necessary accelerator tuning time.

Exp	Short title	Spokesperson	Area	Ion	Shifts main	Shifts parasitic
U207	Laser spectroscopy of Nobelium	Backe/Block	Y7	^{48}Ca		14
U252	Energy loss in laser generated plasma	Roth	Z6	^{12}C		7
U258	Synthesis of new elements at TASCA	Düllmann	X8	^{50}Ti, ^{48}Ca	399	
U261	SHE X-ray Fingerprinting With TASIspec	Rudolph	X8	^{48}Ca	51	
U267	Z = 120	Hofmann	Y7	^{50}Ti	5	
U272	Combined PHELIX-laser-UNILAC	Rosmej	Z6	^{50}Ti		16
U274	Ion energy loss in laser generated plasma	Roth/Blazevic	Z6	^{12}C, ^{48}Ca		20
U275	Theta Pinch Plasma Stripper	Jacoby	Z6	^{48}Ca		10
U276	LIGHT	Roth/Blazevic	Z6	^{48}Ca		5
U277	Study of shell effects in the system U+U	Heinz	Z7	U		33
U278	Decay properties of Db-258	Andersson	Y7	Ti		14
UBIO	Radiobiology	Scholz/Friedrich	X6, M-branch	Au,Ti, Pb, U		34
UMAT	Material science	Trautmann, Severin, Bender	X0, M1, M2, M3	Ti, Au, Pb, U	39	125

E039	Precision X-Ray Spectroscopy	Beyer	ESR	Au	67	
E075	HITRAP Decelerator Commissioning	Herfurth	ESR	^{50}Ti	28	
E087	Breakout of the hot CNO cycle	Woods	ESR	^{20}Ne	18	
E089	Laser cooling of C3+ ions at the ESR	Bussmann	ESR	^{12}C	22	
E090	Bremsstrahlung	Hagmann	ESR	^{238}U	40	
E105	Start of the EXL physics program with 56Ni	Kalantar	ESR	^{58}Ni	42	
E110	An Atomic Physics Method to Study High-Z Long-Lived Isomers	Brandau	ESR	^{238}U	17	
E113	Charge-changing cross sections many-electron, heavy ions	Dubois	ESR	U	2	

Exp	Short title	Spokesperson	Area	Ion	Shifts main	Shifts parasitic
S333	HADES commissioning	Pietraszko	HAD	^{208}Pb		2
S339	pi induced reactions/GEM-TPC tracking	Hartmann/ Leifels	HTB	^{2}H, ^{58}Ni		5
S370	Lifetime 3P0 He-like uranium	Reuschl	HTA	^{238}U		10
S388	Search for 30Ar	Mukha	FRS	^{36}Ar	15	
S401	CBM-detector tests	Heuser/Kis	HTB	^{84}Kr, ^{58}Ni		3
S406	Characterization of NeuLAND prototypes and the LAND detector	Boretzky	HTC	^{2}H	13	
S407	HADES Au+Au	Salabura	HAD	Au, ^{58}Ni	73	11
S411	Commissioning cryogenic stopping cell	Dendooven	FRS	^{238}U	18	
S412	Giant and Pygmy resonances in Sn nuclei	Aumann	HTC	^{136}Xe	43	1
S415	R&D on advanced detection techniques for isotopic identification	Taieb	FRS/HTC	^{238}U, ^{208}Pb	7	10
S417	FRS Tests	Nociforo	FRS, HTD	Ti/Au, ^{238}U		4
S424	AGATA-PRESPEC Commissioning	Korten	FRS	Ti, ^{80}Kr	23	2
S426	AGATA 85Br	Pietralla	HFS	^{86}Kr	6	
S428	AGATA Zr	Pietri	HFS	^{238}U	8	
S429	Quadrantic	Rudolph	HFS	^{208}Pb	17	4
S430	Pygmy 64Ni	Wieland	HFS	^{86}Kr	8	
S431	132Sn	Boutachkov	HFS	^{238}U	9	
S433	52Fe	Gadea	HFS	^{58}Ni	15	
SBIO	Radiobiology and Therapy-related experiments	Scholz/Bert/ Graeff	HTA, HTM	^{12}C, ^{48}Ca, ^{238}U	44	4
SESA	Space related radiation biophysics	Scholz	HTA	Ti, ^{58}Ni	19	6
SMAT	Material science	Trautmann/ Schuster	HTA, HTM	Au, ^{238}U	3	11